

Use the below charts to drill clearance holes and holes for tapping threads. If you still require assistance please contact Technical Support techhelp@softnoze.com or call us at (315)732-2726.

Metric Thread Size			Pipe Thread Size
Tap Drill			Tap Drill*
Clearance Drill			
M8 x 1			1/2 x 14 NPT
7.08 (0.27")			23/32"
8.5mm (0.33")			
	M22 x 1.5		
	20.5mm (.811")		
	22.5mm (.886")		
			3/4 x 14 NPT
M12 x 1			15/16"
11.0mm (0.43")			
12.5mm (0.49")			
	M24 x 1.5		1-1/4 x 11.5 NPT
	22.5mm (0.89")		1-1/2"
	24.5mm (0.96")		
M16 x 1			1-1/2 x 11.5 NPT
14.5mm (0.57")			1-23/32"
16.5mm (0.65")			
	M30 x 1.5		
	26.5mm (1.04")		
	30.5mm (1.20")		
M16 x 1.5			
14.5mm (0.57")			
16.5mm (0.65")			
	M36 x 1.5		
	34.5mm (1.35")		
	36.5mm (1.44")		
M18 x 1			
15.5mm (0.61")			
18.5mm (0.73")			
	M47 x 1.5		
	45.5mm (1.79")		
	47.5mm (1.87")		

* For best sealing results, the hole for pipe threads should be reamed with a reamer having a taper of 3/4 inch per foot.

SoftNoze has adapters and various fasteners to help you install your sensors. Custom brackets are quoted as well. We can use your drawing(s) or we can take your request and application information over the telephone and then we will propose your solution by submitting a drawing, part number, price and delivery.

Please see the next page for addition thread, hole and drill sizes...

(continued)

Size of Screw			Clearance Hole Drills					
No. or Dia.	Decimal (inch)	Threads Per Inch	Tap Drill		Close Fit		Free Fit	
			Drill Size	Decimal (inch)	Drill Size	Decimal (inch)	Drill Size	Decimal (inch)
#0	0.06	80	3/64	0.0469	52	0.0635	50	0.07
#1	0.073	64	53	0.0595	48	0.076	46	0.081
#1	0.073	72	53	0.0595	48	0.076	46	0.081
#2	0.086	56	50	0.07	43	0.089	41	0.096
#2	0.086	64	50	0.07	43	0.089	41	0.096
#3	0.099	48	47	0.0785	37	0.104	35	0.11
#3	0.099	56	45	0.082	37	0.104	35	0.11
#4	0.112	36	44	0.086	32	0.116	30	0.1285
#4	0.112	40	43	0.089	32	0.116	30	0.1285
#4	0.112	48	42	0.0935	32	0.116	30	0.1285
#5	0.125	40	38	0.1015	30	0.1285	29	0.136
#5	0.125	44	37	0.104	30	0.1285	29	0.136
#6	0.138	32	36	0.1065	27	0.144	25	0.1495
#6	0.138	40	33	0.113	27	0.144	25	0.1495
#8	0.164	32	29	0.136	18	0.1695	16	0.177
#8	0.164	36	29	0.136	18	0.1695	16	0.177
#10	0.19	24	25	0.1495	9	0.196	7	0.201
#10	0.19	32	21	0.159	9	0.196	7	0.201
#12	0.216	24	16	0.177	2	0.221	I	0.228
#12	0.216	28	14	0.182	2	0.221	I	0.228
#14	0.242	20	10	0.1935	D	0.246	F	0.257
#14	0.242	24	7	0.201	D	0.246	F	0.257
1/4	0.25	20	7	0.201	F	0.257	H	0.266
1/4	0.25	28	3	0.213	F	0.257	H	0.266
5/16	0.3125	18	F	0.257	P	0.323	Q	0.332
5/16	0.3125	24	I	0.272	P	0.323	Q	0.332
3/8	0.375	16	5/16	0.3125	W	0.386	X	0.397
3/8	0.375	24	Q	0.332	W	0.386	X	0.397
7/16	0.4375	14	U	0.368	29/64	0.4531	15/32	0.4687
7/16	0.4375	20	25/64	0.3906	29/64	0.4531	15/32	0.4687
1/2	0.5	13	27/64	0.4219	33/64	0.5156	17/32	0.5312
1/2	0.5	20	29/64	0.4531	33/64	0.5156	17/32	0.5312